



02-25-02  
**CHOATE, HALL & STEWART**

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Box Patent Application  
Assistant Commissioner for Patents  
Washington, DC 20231

Express Mail No.: ET796587981US  
Attorney Docket No.: 0019696-0144  
Date Filed: February 22, 2002

**UTILITY PATENT APPLICATION TRANSMITTAL**

(for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Dear Sir:

Please find enclosed a patent application and papers as follows for:

Inventor(s):

<u>Given Name (first and middle)</u>	<u>Family Name or Surname</u>	<u>Residence (City and State or Foreign Country)</u>
Sergio	Spreafico	Albavilla (Como) Italy
Laura	Gherardi	Monza (Milano) Italy
David M.	Buzcek	Dover, MA
John D.	Scudiere	Bolton, MA
Richard E.	Harnois	Wrentham, MA

Title of the Invention: **Methods for Joining High Temperature Superconducting  
Components in a Superconducting Cable with Negligible Critical Current  
Degradation and Articles of Manufacture in Accordance Therewith**

A) APPLICATION ELEMENTS:

- 1) ☐ **Fee Transmittal Form** (original and duplicate submitted for fee processing)
- 2) ☐ **Applicant Claims Small Entity Status** (see 37 C.F.R. § 1.27)
  - a) ☐ **Statement Verifying Small Entity Status** (optional)

3) ☒ **Specification**

TOTAL PAGES: 24

- ☒ Descriptive Title of the Invention
- ☒ Cross References to Related Applications (if applicable)
- ☐ Statement Regarding Federally Sponsored R & D (if applicable)
- ☐ Reference to sequence listing, a table, or a computer program listing appendix
- ☒ Background of the Invention
- ☒ Summary of the Invention
- ☒ Description of the Drawing (if filed)
- ☒ Detailed Description of the Invention
- ☒ Claim(s)
- ☒ Abstract of the Invention

4) ☒ **Drawing(s)** (35 U.S.C. § 113)

TOTAL SHEETS: 6

- a) ☒ Formal Drawings (if checked)

5) ☒ **Oath or Declaration**

TOTAL PAGES: 3

- a) ☐ Newly Executed (original or copy)

- b) ☒ Copy from a prior application (37 C.F.R. § 1.63(d))-for continuation/divisional application

- i) ☐ Deletion of inventor(s): Signed Statement deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

- c) ☐ Unexecuted

6) ☐ **Application Data Sheet**. See 37 C.F.R. § 1.76.

7) ☐ **CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)**

8) ☐ **Nucleotide and/or Amino Acid Sequence Submission** (if applicable, all are necessary)

- a) ☐ Computer Readable Form (CRF)

- b) ☐ Specification Sequence Listing on:

- i) ☐ CD-ROM or CD-R (2 copies); or

- ii) ☐ Paper

- c) ☐ Statements verifying identity of above copies

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B) ACCOMPANYING APPLICATION PARTS:

- 9) ☐ **Assignment Papers** (cover sheet & document(s))
- 10) ☐ **37 C.F.R. § 3.73(b) Statement** (when there is an assignee)
- 11) ☐ **Power of Attorney**
- 12) ☐ **English Translation Document** (if applicable)
- 13) ☐ **Information Disclosure Statement (IDS)/PTO-1449**
- 14) ☐ **Copies of IDS Citations**
- 15) ☐ **Preliminary Amendment**
- 16) ☒ **Return Receipt Postcard (MPEP 503)** (specifically itemized)
- 17) ☐ **Certified Copy of Priority Document(s)** (if foreign priority is claimed)
- 18) ☐ **Nonpublication Request under 35 U.S.C. § 122(b)(2)(B)(i)**
- 19) ☒ **OTHER:** (if applicable, specified below)

**Request for extension of time to respond to office action response.**

C) FOR CONTINUING APPLICATIONS: (the appropriate box is checked, and certain information is provided below and in a preliminary amendment)

☒ continuation                      ☐ divisional                      ☐ continuation-in-part (CIP)

of prior application no.: 09/324,144

filed: June 2, 1999

examiner: Alcala, J.

group/art unit: 2841

**for continuation or divisional applications only:** The entire disclosure of the prior application, from which an oath or declaration is supplied as detailed above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.

D.) PRIORITY CLAIM(S):

This application claims the benefit under 35 U.S.C. § 120 of any United States application(s) or PCT international application(s) designating the United States of America listed below:

<u>Application Serial No.</u>	<u>Filing date</u>	<u>Status (patented, pending, abandoned)</u>
09/324,144	June 2, 1999	Pending

This application claims the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

<u>Application Serial No.</u>	<u>Filing date</u>	<u>Status (pending, expired, abandoned)</u>
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E) METHOD OF PAYMENT OF FILING FEES FOR THIS APPLICATION:

- ☐ Applicant claims small entity status 37 C.F.R. § 1.27.
- ☒ A check is enclosed to cover the filing fees.
- ☒ The commissioner is hereby authorized to charge filing fees or to credit any overpayment to deposit account number 03-1721.

Basic Filing Fee (Large Entity)	\$740.00
Additional Fees:	
Total Number of Claims in excess of 20: (29- 20) x \$18	\$162.00
Number of Independent Claims in excess of 3:(        - 3) x \$84	\$0.00
Multiple Dependent Claims \$280:	<u>\$0.00</u>
Total Filing Fee:	\$902.00

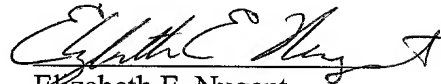
F) CORRESPONDENCE ADDRESS:

☐ Customer Bar Code Label: \_\_\_\_\_

☒ Correspondence Address:

Elizabeth E. Nugent  
Choate, Hall & Stewart  
53 State Street  
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Respectfully Submitted,



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Registration No. 43,839

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A

Attorney Docket No. 0019696-0144

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Spreafico, *et al* Examiner: J. Alcala  
Serial No.: 09/324,144 Art Unit: 2841  
Filing Date: June 2, 1999  
Title: METHODS FOR JOINING HIGH TEMPERATURE  
SUPERCONDUCTING COMPONENTS IN A  
SUPERCONDUCTING CABLE WITH NEGLIGIBLE CRITICAL  
CURRENT DEGRADATION AND ARTICLES OF  
MANUFACTURE IN ACCORDANCE THEREWITH

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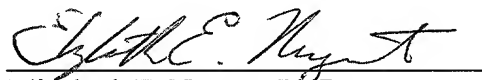
Sir:

**PETITION FOR EXTENSION OF TIME UNDER 37 C.F.R. 1.136**

A three (3) month extension of time, from November 21, 2001 to and including February 22, 2002 is requested to respond to the Office Action mailed August 22, 2001 in the above-referenced application. The large entity extension fee of \$920 is enclosed herewith.

Please charge any fees associated with this filing, or apply any credits, to our Deposit Account No. 03-1721.

Respectfully submitted,



Elizabeth E. Nugent, Ph.D.  
Registration Number 43,839

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Dated: February 22, 2002  
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